

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-028629

(43)Date of publication of application : 02.02.1996

(51)Int.Cl.

F16F 15/26

(21)Application number : 06-165698

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(22)Date of filing : 19.07.1994

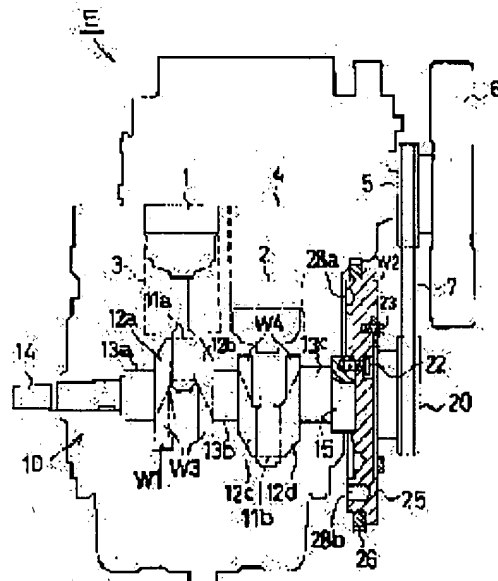
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## (54) CRANKSHAFT DEVICE FOR TWO-CYLINDER FOUR-CYCLE ENGINE

### (57)Abstract:

PURPOSE: To reduce energy loss even in the case that massive error occurs at balance weights when a crankshaft alone is balanced, by easily adjusting the massive error afterward, and reducing the mass of a second balance weight.

CONSTITUTION: A fan driving pulley 20 and a flywheel 25 are fixed to a crankshaft 10 in which a crank angle of 180 degrees are shown between a first crank pin 11a and a second crank pin 11b. A first balance weight W1 which suppresses a vibration moment M of the crank shaft 10 is arranged on a crank arm 12a on one end side of the crankshaft 10. A second balance weight W2 is arranged on a flywheel 2 fixed to the other end side of the crankshaft 10.



## LEGAL STATUS

[Date of request for examination]

18.03.1998

[Date of sending the examiner's decision of rejection]

14.11.2000

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]